

204-826

12/13/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Jessica Fernandez  
Bayer CropScience  
2 TW Alexander Dr  
RTP, NC 27709

DEC 13 2013

Subject: Labeling Amendment to Gem 500SC  
EPA Registration No. 264-826  
Decision No. 483977  
Submission Date: 9/24/13

Dear Ms Fernandez:

The master and supplemental labeling referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to add directions for use on fruiting vegetables, is unconditionally acceptable under FIFRA 3(c)5.

On the supplemental label, replace the date holder "xx/xx/xxxx" with the date 3 years from the date of this letter.

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at [schuler.dominic@epa.gov](mailto:schuler.dominic@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Tony Kish".

(for)

Tony Kish  
Product Manager 22  
Fungicide Branch  
Registration Division (7504P)

2/18



**Bayer CropScience**

Bayer CropScience LP  
 P.O. Box 12014  
 2 T.W. Alexander Drive  
 Research Triangle Park, North Carolina 27709  
 1-866-99BAYER (1-866-992-2937)

**Gem® 500 SC Fungicide**

**EPA Reg. No. 264-826**

**For Use On: FRUITING VEGETABLES: Eggplant, Groundcherry, Pepino, Peppers, Tomatillo, Tomatoes**

*This supplemental label expires on XXXX/XXXX and must not be used or distributed after this date.*

**Supplemental Label**

**KEEP OUT OF REACH OF CHILDREN  
 CAUTION**

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Read this label and the product package label before using this product. This Supplemental Label must be in the possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the product label for Gem® 500 SC Fungicide attached to the container.

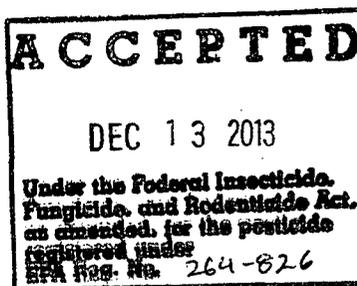
**USE DIRECTIONS FOR SPECIFIC CROPS**

<b>FRUITING VEGETABLES: Eggplant, Groundcherry, Pepino, Peppers, Tomatillo, Tomatoes.</b>			
<b>Disease Control</b>	<b>Rate fl oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
Powdery Mildew (Peppers Only) <i>(Oidiopsis taurica)</i>	2.0	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the higher rates and shorter intervals when disease pressure is severe.
Early Blight <i>(Alternaria solani)</i>	2.0-3.0	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the higher rates and shorter intervals when disease pressure is severe.
Gray Leaf Spot <i>(Stemphyllium spp.)</i>	3.8	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the shorter interval when disease pressure is severe.
Late Blight <i>(Phytophthora infestans)</i>	Gem 500 SC Fungicide tank mixture: 3.8	Begin applications preventively. Apply Gem 500 SC Fungicide in a tank mixture with 75% of the labeled rate of protectant fungicide registered for control of late blight making applications on a 7- to 10-day interval. Alternate Gem 500 SC Fungicide (every other application) with a protectant fungicide registered for use against late blight on a 7- to 10-day interval.	Use the shorter interval when disease pressure is severe.

*Gem is a registered trademark of Bayer.*

*Created on 05/22/2013, 12/13/13*

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*Supplemental*

Disease Suppression	Rate fl oz/Acre	Application Timing	Notes
Anthracnose <i>(Colletotrichum spp.)</i> Septoria leaf spot <i>(Septoria lycopersici)</i> Powdery Mildew (Tomato Only) <i>(Oidiopsis taurica)</i>	3.0-3.8	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the higher rates and shorter interval when disease pressure is severe.
<p>The crop safety of all potential tank mixes including additives and other pesticides on all crops has not been tested. Before applying any tank mixture not specified on this label, the safety to the target crop should be confirmed. To test for crop safety, apply Gem 500 SC Fungicide to the target crop in a small area and in accordance with label instructions for the target crop.</p> <p><b>Restrictions:</b> Do not apply more than 16 oz of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 3 days of harvest. Do not apply more than 5 applications of Gem 500 SC Fungicide per acre per season. To reduce the potential for resistance, alternate every Group 11 fungicide application with at least one application of a fungicide from a different Group. (Gem 500 SC Fungicide must be tank mixed and alternated with a protectant fungicide for control of late blight.)</p>			

**For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577**  
**For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)**  
*As with any crop-protection product, always read and follow label directions.*  
*For additional information call toll-free 1-866-99BAYER (1-866-992-2937).*

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**ACCE TED**

DEC 13 2013

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 264-826

<b>GROUP</b>	<b>11</b>	<b>FUNGICIDE</b>
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# Gem® 500 SC Fungicide

For control of certain diseases in artichokes, citrus, fruiting vegetables, leafy petiole vegetables, peanuts, potatoes, rice, root vegetables (except radishes), soybean, stone fruit, sugar beets, and tree nuts.

**ACTIVE INGREDIENT:**

Trifloxystrobin, (E, E)-alpha-(methoxyimino)-2-[[[1-[3-(trifluoromethyl) phenyl] ethylidene] amino] oxy] methyl]-, methylester ..... 42.6%

**OTHER INGREDIENTS:** ..... 57.4%

**TOTAL:** ..... 100.0%

Contains 4.05 pounds trifloxystrobin per gallon.

**EPA Reg. No. 264-826**

**EPA Est. No.**

**STOP - Read the Label Before Use**  
**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

For MEDICAL And TRANSPORTATION Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577  
 For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

**FIRST AID**

<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not give anything to an unconscious person.</li> </ul>

**For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.**

**Have the product container or label with you when calling a poison control center or doctor or going for treatment.**

**NOTE TO PHYSICIAN:** Treat Symptomatically.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist and contact with skin or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

#### Personal Protective Equipment (PPE):

##### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material.
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

#### Ground Water Advisory

Several trifloxystrobin degradates have properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill, or store near heat or open flame.

### DIRECTIONS FOR USE

**It is a violation of federal law to use this product in a manner inconsistent with its labeling.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material.
- Shoes plus socks

## PRODUCT INFORMATION

Gem® 500 SC Fungicide is a broad spectrum fungicide for the control of certain diseases in artichokes, tree nuts, citrus, fruiting vegetables, leafy petiole vegetables, peanuts, potatoes, rice, root vegetables (except radishes), soybean, stone fruit and sugar beets. Gem 500 SC Fungicide works by interfering with respiration in plant pathogenic fungi. Gem 500 SC Fungicide is a potent inhibitor of spore germination and mycelial growth.

UNDER CERTAIN CONDITIONS CONDUCIVE TO EXTENDED INFECTION PERIODS, ADDITIONAL FUNGICIDE APPLICATIONS BEYOND THE NUMBER ALLOWED BY THIS LABEL MAY BE NEEDED. UNDER THESE CONDITIONS, USE ANOTHER FUNGICIDE REGISTERED FOR THE CROP/DISEASE.

### Resistance Management

Gem 500 SC Fungicide belongs to the Qol (Group 11) target site of action group and exhibits no known cross-resistance to other chemical classes including sterol inhibitors, dicarboximides, benzimidazoles, anilinopyrimidines, or phenylamides. Trifloxystrobin (the active ingredient in Gem 500 SC Fungicide) exhibits cross-resistance to other Group 11 fungicides such as azoxystrobin and kresoxim-methyl. When products with the same mode of action are used repeatedly, fungal pathogens can develop resistance to those products. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotation and/or tank mixing with products having different modes of action, or limiting the total number of applications per season.

The North American Fungicide Resistance Action Committee - Qol Working Group (NA-FRAC) recommends: 1) Qol fungicides be used in a preventative manner. 2) When employing tank mixtures for resistance management, use fungicides from different target site Groups that are registered or permitted for the same use, are effective against the pathogen of concern, and are used at not less than the minimum-labeled rates of each fungicide in the tank mix. 3) For resistance management purposes, seed treatment or in-furrow applications utilizing Group 11 fungicides are not counted as foliar applications to determine the maximum number of sequential sprays or the total number of sprays per season.

Follow the specific crop use directions that limit the total number of sprays on a crop and the required alternations with fungicides from other resistance management groups as directed on this label. In situations requiring multiple fungicide sprays, develop season long spray programs for Gem 500 SC Fungicide and other Group 11 fungicides. In a program using a Group 11 fungicide as a solo product, the number of applications should be no more than 1/3 of the total number of fungicide applications per season. In programs in which tank mixes or pre-mixes of a Group 11 fungicide together with a fungicide of another Group are utilized, the number of Group 11 fungicide applications should be no more than 1/2 of the total number of fungicide applications per season. In programs in which applications of Group 11 fungicides are made with both solo products and mixtures, the number of Group 11 fungicide applications should be no more than 1/2 of the total number of fungicide applications per season. Bayer CropScience encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

**IPM:** Applications of fungicides should be integrated into an overall disease and pest management program. Cultural practices known to reduce disease development should be followed. Consult your local extension specialist, certified crop advisor and/or manufacturer representative for additional IPM strategies established for your area. Gem 500 SC Fungicide may be used in Agricultural Extension advisory (disease forecasting or risk assessment) programs that prescribe application timings based on environmental factors favorable for disease development.

**Product performance:** Monitor efficacy of all fungicides used in the disease management program against the targeted pathogen by recording factors that may influence fungicide performance and/or disease development. If a fungicide appears to be less effective against a pathogen that it previously controlled or suppressed, contact a manufacturer representative, local extension specialist, or certified crop advisor for further investigation.

## SPRAY EQUIPMENT

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control. For ground application equipment, a minimum of 50 gal./A is prescribed for tree crops and 10 gal./A for other crops. For aerial application equipment, a minimum of 2 gal./A is prescribed for soybeans, 10 gal./A for tree crops and 5 gal./A for other crops.

Not registered for aerial application in New York State.

### Air Blast Sprayers

Air-assisted or air blast sprayers move spray droplets into the crop canopy using a forced air system. The fan should be set up to deliver only enough air volume to penetrate the canopy and provide good coverage. Adjust deflectors or other aiming devices to direct spray only to the target area.

Equip sprayers with nozzles that provide accurate and uniform application. Check whirl plates and nozzle discs for wear and replace as necessary. Calibrate the sprayer before use.

Use a pump with a capacity to maintain the correct rated pressure for the nozzles selected. Maintain sufficient agitation to keep the mixture in suspension. Use jet agitators, a liquid sparge tube, or mechanical paddles for agitation.

It is suggested that screens be used to prevent nozzles from clogging. Screens placed after the tank and before the nozzles should be 50-mesh or coarser. Check nozzle manufacturer's recommendations.

### Broadcast Ground Sprayers

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate the sprayer before use, and replace worn or damaged nozzles.

Use a pump with the capacity to: (1) maintain a minimum of 35 psi at nozzles, and (2) provide sufficient agitation in the tank to keep the mixture in suspension – this requires recirculation of 10% of the tank volume per minute. Use jet agitators or a liquid sparge tube for vigorous agitation.

Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh screens at the nozzles. Check nozzle manufacturer's recommendations.

For information on spray equipment and calibration, consult sprayer manufacturer's and/or state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

### Aerial Application

Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals.

**Chemigation:** Apply Gem 500 SC Fungicide through irrigation equipment only to crops and diseases for which the chemigation use is specified. Under preventative or light disease pressures the low rate may be applied. Under moderate disease pressures, apply the highest rate allowed and use the shorter spray intervals.

## DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including Hand move, solid set, wheel lines, linear, and center pivot. Do not apply this product through any other type of irrigation system. Illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

For specific information about calibration, contact State Extension Service Specialists, equipment manufacturers or other irrigation experts.

**SPRAY PREPARATION:** Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

**APPLICATION INSTRUCTIONS:** First prepare a suspension of Gem 500 SC Fungicide in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of Gem 500 SC Fungicide and then the remaining volume of water. Start sprinkler and uniformly inject the suspension of Gem 500 SC Fungicide into the irrigation water line so as to deliver the desired rate per acre. The suspension of Gem 500 SC Fungicide should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

**NOTE:** When treatment with Gem 500 SC Fungicide has been completed, further field irrigation over the treated area should be avoided for 24 hours to prevent washing the chemical off the crop.

## GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment. If you are unsure of wind conditions, which result in drift, contact your local extension agent.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

### MIXING PROCEDURES

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. **Vigorous agitation is necessary for proper dispersal of the product.** Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

**Gem 500 SC Fungicide Alone:** Add approximately 1/2 of the required amount of water to the mix tank. With the agitator running, add the Gem 500 SC Fungicide to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Gem 500 SC Fungicide has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

**Gem 500 SC Fungicide + Tank Mix Partners:** Add approximately 1/2 of the required amount of water to the mix tank. Start the agitator running before adding any tank-mix partners. In general, tank-mix partners should be added in this order: products packaged in water-soluble packaging\*, wettable powders, wettable granules (dry flowables), liquid flowables such as Gem 500 SC Fungicide, liquids, and emulsifiable concentrates. Always allow each tank-mix partner to become fully and uniformly dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

\* **Note:** When using Gem 500 SC Fungicide in tank mixtures, all products in water-soluble packaging should be added to the tank before any other tank mix partner, including Gem 500 SC Fungicide. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank-mix partner to the tank.

If using Gem 500 SC Fungicide in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations, which appear on the tank-mix product label. Do not exceed labeled rates and observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. This product must not be mixed with any product, which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

Gem 500 SC Fungicide is compatible with most insecticide, fungicide, and foliar nutrient products. However, the physical compatibility of Gem 500 SC Fungicide with tank-mix partners should be tested before use. To determine the physical compatibility of Gem 500 SC Fungicide with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

**The crop safety of all potential tank mixes including additives and other pesticides on all crops has not been tested. Before applying any tank mixture not specifically listed on this label, the safety to the target crop must be confirmed. To test for crop safety, apply Gem 500 SC Fungicide to the target crop in a small area and in accordance with label instructions for the target crop.**

**SPRAY DRIFT AVOIDANCE MEASURES**

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

1. Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If nontarget crops are located downwind, use caution when spraying if wind is present. Do not spray if winds are gusty.
2. Use caution when conditions are favorable for drift (high temperatures, drought, low relative humidity).
3. Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

**USE DIRECTIONS FOR SPECIFIC CROPS**

Gem 500 SC Fungicide provides control or suppression of several important diseases of artichokes, citrus, fruiting vegetables, leafy petiole vegetables, peanuts, potatoes, rice, root vegetables (except radishes), soybeans, stone fruits, sugar beets, and tree nuts. When reference is made to disease suppression, suppression can mean either erratic control from good to fair or consistent control at a level below that obtained with the best commercial disease control products.

**ROTATIONAL RESTRICTIONS**

Treated areas may be replanted immediately following harvest with any crop listed on this label. For crops not listed on this label, do not plant back within 30 days of last application.

<b>ALMONDS</b>			
<b>Disease Control</b>	<b>Rate fl oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
Alternaria <i>(Alternaria alternata)</i> Anthracnose <i>(Colletotrichum acutatum)</i> Rust <i>(Tranzschelia discolor)</i> Scab <i>(Cladosporium carpophilum)</i> Shot hole <i>(Wilsonomyces carpophilus)</i>	2.9 to 3.8	Begin applications preventively and continue as needed on a 7- to 14-day spray schedule.	Use the higher rates and shorter intervals when disease pressure is severe.
<b>Disease Suppression</b>	<b>Rate fl oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
Brown rot blossom blight <i>(Monilinia spp.)</i>	1.9 to 3.8	Begin applications at pink bud stage (about 5% bloom). If conditions are favorable for disease development, apply again at full bloom and at petal fall, or on a 14- to 21-day spray schedule.	Use the higher rates and shorter intervals when disease pressure is severe.
<p><b>Restrictions:</b> Do not apply more than 15.2 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 14 days of harvest. To limit the potential for development of disease resistance:</p> <ul style="list-style-type: none"> <li>• Do not make more than two (2) sequential applications of Gem 500 SC Fungicide. Then alternate to at least an equal number of sequential applications of labeled, effective non-QoI fungicides with a different mode of action.</li> <li>• Do not make more than four (4) applications of Gem 500 SC Fungicide or other QoI fungicides per acre per season.</li> </ul>			

ARTICHOKE (GLOBE)			
Disease Control	Rate fl oz/Acre	Application Timing	Notes
Powdery mildew ( <i>Leveillula taurica</i> )	3.0 – 3.8	Begin applications when conditions are favorable for diseases but before infection.	Use the higher rates when disease pressure is severe. Apply on a 7 to 10-day spray schedule.
<p><b>Restrictions:</b> Do not apply more than 7.6 fl. oz. of Gem 500 SC Fungicide per acre per season. Gem 500 SC Fungicide may be applied up to the day of harvest (0-day preharvest interval). To limit the potential for development of disease resistance alternate each application of Gem 500 SC Fungicide with a non Group 11 containing fungicide.</p>			

CITRUS			
Disease Control	Rate fl oz /Acre	Application Timing	Notes
Alternaria ( <i>Alternaria alternata</i> ) Greasy Spot ( <i>Mycosphaerella citri</i> ) Melanose ( <i>Diaporthe citri</i> ) Scab ( <i>Elsinoe fawcettii</i> ) Post-Bloom Fruit Drop (PFD) ( <i>Colletotrichum acutatum</i> )	1.9 to 3.8	Begin applications preventively and continue throughout the growing season using a 7- to 21-day spray schedule.	Use the higher rates and shorter intervals when disease pressure is severe. Use of recommended weather-based predictive models may be of benefit in determining the appropriate timing of applications for diseases such as Alternaria and Post-Bloom Fruit Drop. May be applied as a foliar spray with air-assisted sprayers, such as curtec.
<p><b>Restrictions:</b> Do not apply more than 15.2 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 7 days of harvest.</p> <ul style="list-style-type: none"> <li>Do not make more than two (2) sequential applications of Gem 500 SC Fungicide. Then alternate to at least an equal number of sequential applications of labeled, effective non-QoI fungicides with a different mode of action.</li> <li>Do not make more than four (4) applications of Gem 500 SC Fungicide or other QoI fungicides per season.</li> </ul>			

**FRUITING VEGETABLES: Eggplant, Groundcherry, Pepino, Peppers, Tomatillo, Tomatoes.**

Disease Control	Rate fl oz/Acre	Application Timing	Notes
Powdery Mildew (Peppers Only) ( <i>Oidiopsis taurica</i> )	2.0	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the higher rates and shorter intervals when disease pressure is severe.
Early Blight ( <i>Alternaria solani</i> )	2.0-3.0	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the higher rates and shorter intervals when disease pressure is severe.
Gray Leaf Spot ( <i>Stemphyllium</i> spp.)	3.8	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the shorter interval when disease pressure is severe.
Late Blight ( <i>Phytophthora infestans</i> )	Gem 500 SC Fungicide tank mixture: 3.8	Begin applications preventively. Apply Gem 500 SC Fungicide in a tank mixture with 75% of the labeled rate of protectant fungicide registered for control of late blight making applications on a 7- to 10-day interval. Alternate Gem 500 SC Fungicide (every other application) with a protectant fungicide registered for use against late blight on a 7- to 10-day interval.	Use the shorter interval when disease pressure is severe.
Disease Suppression	Rate fl oz/Acre	Application Timing	Notes
Anthracnose ( <i>Colletotrichum</i> spp.) Septoria leaf spot ( <i>Septoria lycopersici</i> ) Powdery Mildew (Tomato Only) ( <i>Oidiopsis taurica</i> )	3.0-3.8	Begin applications preventively and continue as needed on a 7- to 10-day interval.	Use the higher rates and shorter interval when disease pressure is severe.

The crop safety of all potential tank mixes including additives and other pesticides on all crops has not been tested. Before applying any tank mixture not specified on this label, the safety to the target crop should be confirmed. To test for crop safety, apply Gem 500 SC Fungicide to the target crop in a small area and in accordance with label instructions for the target crop.  
**Restrictions:** Do not apply more than 16 oz of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 3 days of harvest. Do not apply more than 5 applications of Gem 500 SC Fungicide per acre per season. To reduce the potential for resistance, alternate every Group 11 fungicide application with at least one application of a fungicide from a different Group. (Gem 500 SC Fungicide must be tank mixed and alternated with a protectant fungicide for control of late blight.)

**LEAFY PETIOLE VEGETABLES: Cardoon, Celery, Chinese celery, Celtuce, Florence fennel, Rhubarb, Swiss chard.**

Disease Control	Rate fl oz/Acre	Application Timing	Notes
Early Blight ( <i>Cercospora apii</i> ) Late blight ( <i>Septoria apiicola</i> ) Rust ( <i>Puccinia</i> spp., <i>Uromyces</i> spp.)	1.9-2.9	Begin applications preventively and continue as needed on a 14-day interval.	Use the higher rates and shorter intervals when disease pressure is severe. A minimum spray volume of 30 gal/A is recommended.  May be applied via chemigation, for control of late blight of celery. Use highest rate if disease is present in the field.

**Restrictions:** Do not apply more than 11.6 fl. oz. of Gem 500 SC Fungicide per acre per year. Do not apply Gem 500 SC Fungicide within 7 days of harvest. Do not apply more than 4 applications of Gem 500 SC Fungicide or other strobilurin fungicide per season. To reduce the potential for resistance, alternate every Group 11 fungicide application with at least one application of a fungicide from a different Group.

PEANUTS			
Disease Control	Rate fl oz/Acre	Application Timing	Notes
Early Leaf Spot ( <i>Cercospora arachidicola</i> )  Late Leaf Spot ( <i>Cercosporidium personatum</i> )  Rust ( <i>Puccinia arachidis</i> )	3.5	Begin applications when conditions are favorable for diseases but before infection.	Apply on a 10 to 14-day spray schedule. Gem 500 SC Fungicide must be applied with a surfactant for foliar peanut disease control.
Limb Rot ( <i>Rhizoctonia solani</i> )	3.5	Apply 2 times – make the first application 56-60 days after planting for control of <i>R. solani</i> . Make the second application 28 days later.	Integrate routine leaf spot and rust applications on a 14-day spray schedule at rate for foliar disease. Gem 500 SC Fungicide must be applied with a surfactant for peanut foliar disease control.
<p><b>Restrictions:</b> Do not make more than 4 applications (14 fl. oz.) of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 14 days of harvest.</p> <p>To limit the potential for development of disease resistance:</p> <ul style="list-style-type: none"> <li>• If 4 or less total fungicide sprays are planned then alternate each application of Gem 500 SC Fungicide with a non Group 11 containing fungicide.</li> <li>• If 5 or more fungicide sprays are planned use a maximum of 2 consecutive applications of Gem 500 SC Fungicide alternated with at least 2 applications of a non Group 11 containing fungicide.</li> </ul>			

PECANS			
Disease Control	Rate fl oz/Acre	Application Timing	Notes
Scab ( <i>Cladosporium caryigenum</i> )  Anthracnose ( <i>Glomerella cingulata</i> )	1.9 to 3.8	Begin applications preventively. Begin at bud break and continue on a 14-day interval through pollination followed by cover sprays at 14- to 21-day intervals.	Use the shorter intervals and higher rates when disease pressure is severe.
<p><b>Restrictions:</b> Do not apply more than 22.5 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide after shuck split or within 30 days of harvest. To limit the potential for development of disease resistance:</p> <ul style="list-style-type: none"> <li>• Do not make more than two (2) sequential applications of Gem 500 SC Fungicide. Then alternate to at least an equal number of sequential applications of labeled, effective non-QoI fungicides with a different mode of action.</li> <li>• Do not apply more than six (6) applications of Gem 500 SC Fungicide or other strobilurin fungicides per acre per season.</li> </ul>			

PISTACHIOS			
Disease Control	Rate fl oz/Acre	Application Timing	Notes
Botryosphaeria Panicle and Shoot Blight ( <i>Botryosphaeria dothidea</i> ) Septoria Leaf Spot ( <i>Septoria pistaciarum</i> )	1.9 to 3.8	Begin applications preventatively and continue as needed on a 14- to 21-day spray schedule.	Use the higher rate and shorter interval when disease pressure is severe.
Alternaria Late Blight ( <i>Alternaria alternata</i> )	2.9 to 3.8		
<p><b>Restrictions:</b> Do not apply more than 15.2 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 28 days of harvest. To limit the potential for development of disease resistance:</p> <ul style="list-style-type: none"> <li>Do not make more than two (2) sequential applications of Gem 500 SC Fungicide. Then alternate to at least an equal number of sequential applications of labeled, effective non-QoI fungicides with a different mode of action.</li> <li>Do not apply more than four (4) applications of Gem 500 SC Fungicide or other strobilurin fungicides per acre per season.</li> </ul>			

POTATOES			
Disease Control	Rate fl oz/Acre	Application Timing	Notes
Early Blight ( <i>Alternaria solani</i> )	2.9 to 3.8	Begin applications preventively and continue as needed on a 7- to 10-day spray schedule.	Use the higher rates and shorter intervals when disease pressure is severe.
Late Blight ( <i>Phytophthora infestans</i> )	Gem 500 SC Fungicide Tank Mixture: 3.8	Begin applications preventively. Alternate Gem 500 SC Fungicide (every other application) with a protectant fungicide for use against late blight on a 7- to 10-day spray schedule. Gem 500 SC Fungicide should always be applied in tank mixture with a registered protectant fungicide labeled for use on late blight (use 75% of the protectant fungicide labeled rate) and applied on a 7- to 10-day spray schedule.	Use the shorter interval when disease pressure is severe.
<p><b>Restrictions:</b> Do not apply more than 23 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 7 days of harvest. To limit the potential for development of disease resistance:</p> <ul style="list-style-type: none"> <li>Do not make more than one (1) foliar application of Gem 500 SC Fungicide for foliar diseases before alternating to a labeled effective non-QoI fungicide with a different mode of action for at least one application.</li> <li>Do not make more than six (6) applications of Gem 500 SC Fungicide or other QoI fungicides per season.</li> </ul>			

RICE			
Disease Control	Rate fl oz/Acre	Application Timing	Notes
<b>Sheath/Stem Diseases:</b> Sheath Blight <i>(Rhizoctonia solani)</i>	3.8 to 4.7	Apply from panicle differentiation to boot split at initial sign of disease. Rate and timing for sheath blight is dependent on rice growth stage, rice variety, and disease severity. Consult with your local extension personnel or Bayer CropScience representative to determine if treatment is needed.	Use the higher rates when disease pressure is severe. Up to two applications can be made if conditions warrant.
<b>Panicle Diseases:</b> Rice Blast <i>(Pyricularia grisea)</i>	3.1 to 4.7	Begin applications prior to disease development. For panicle blast, an application should be applied at mid-boot to 5% heading (tips of panicles just emerging) but prior to full head emergence. If conditions favor neck blast, a second application should be made when panicles are 60 to 90% emerged from the boot (5 to 14 days later). Consult with your local extension personnel or Bayer CropScience representative to determine the best timing for your area.	Use the higher rates and shorter intervals when disease pressure is severe. Two applications are usually necessary for maximum control.
<p><b>Restrictions:</b> Do not apply more than 9.4 fl. oz. of Gem 500 SC Fungicide per acre per crop. Do not apply Gem 500 SC Fungicide within 35 days of harvest. Do not apply in rice fields where commercial farming of crayfish will be practiced. Do not drain water from treated rice fields into ponds used for commercial catfish farming, to irrigate other crops, or use treated water for livestock. Do not allow release of irrigation or floodwater for at least 7 days after the last application.</p> <p>To limit the potential for development of disease resistance:</p> <ul style="list-style-type: none"> <li>Do not make more than two (2) sequential applications of Gem 500 SC Fungicide. Then alternate to labeled, effective non-QoI fungicides with a different mode of action.</li> <li>Do not make more than two (2) applications of Gem 500 SC Fungicide or other QoI fungicides per season.</li> </ul>			

ROOT VEGETABLES: Beet (garden), Burdock (edible), Carrot, Celeriac, Chervil (turnip-rooted), Chicory, Ginseng, Horseradish, Parsley (turnip-rooted), Parsnip, Rutabaga, Salsify, Salsify (black), Salsify (Spanish), Skirret, Turnip.			
Disease Control	Rate fl oz/Acre	Application Timing	Notes
Leaf blight <i>(Alternaria dauci)</i> Leaf blight <i>(Cercospora carotae)</i> Powdery mildew <i>(Erysiphe spp.)</i> Rust <i>(Puccinia spp., Uromyces spp.)</i>	1.9 – 2.9	Begin applications preventively and continue as needed on a 14-day interval.	Use the higher rates and shorter intervals when disease pressure is severe. Use sufficient water to obtain thorough coverage.  May be applied via chemigation for control of leaf blight of carrots. Use highest rate if disease is present in the field.
<p><b>Restrictions:</b> Do not apply more than 11.5 fl. oz of Gem 500 SC Fungicide per acre per year. Do not apply Gem 500 SC Fungicide within 7 days of harvest. To limit the potential for development of disease resistance:</p> <ul style="list-style-type: none"> <li>Do not make more than one foliar application of Gem 500 SC Fungicide for foliar diseases before alternating to a labeled, effective non-QoI fungicide with a different mode of action for at least one application.</li> <li>Do not make more than four (4) applications of Gem 500 SC Fungicide or other strobilurin fungicide per season.</li> </ul>			

<b>SOYBEAN</b>			
<b>Disease Control</b>	<b>Rate fl. oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
Aerial blight ( <i>Rhizoctonia solani</i> ) Anthracnose ( <i>Colletotrichum truncatum</i> ) Alternaria leaf spot ( <i>Alternaria</i> spp.) Asian soybean rust ( <i>Phakopsora</i> spp.) Brown spot ( <i>Septoria glycines</i> ) Cercospora blight and leaf spot ( <i>Cercospora kikuchii</i> ) Frogeye leaf spot ( <i>Cercospora sojina</i> ) Pod & stem blight ( <i>Diaporthe phaseolorum</i> )	3.0 to 3.5	Begin broadcast, foliar applications of Gem 500 SC Fungicide preventatively when conditions are favorable for disease development.  Repeat applications on a 10- to 21-day spray interval if disease monitoring or environmental factors indicate favorable conditions for continued disease development.	Use the higher rates and shorter intervals when disease pressure is severe. Use of adjuvants may enhance performance of Gem 500 SC Fungicide. If utilized, apply the lowest recommended rate of the spray adjuvant.  For control of Asian soybean rust, apply Gem 500 SC Fungicide prior to infection. If Asian soybean rust is already present in the field, Gem 500 SC Fungicide must be applied with an EPA-approved triazole fungicide with known curative activity.  Applications may be made by ground or air. Apply Gem 500 SC Fungicide in a minimum for 10 gallons of spray solution per acre by ground sprayer or in a minimum of 2 gallons per acre by aircraft spray equipment.
<b>Restrictions:</b> Do not apply more than 10.5 fl. oz. of Gem 500 SC Fungicide per acre per season. Applications may not be made within 21 days of harvest. Do not apply more than 2 applications of Gem 500 SC Fungicide or other Group 11 fungicides before alternating with a fungicide that is not in Group 11. Do not graze or feed soybean forage or hay.			

<b>STONE FRUITS: Apricots, Cherries, Nectarines, Peaches, Plums, Plumcots, Prunes (fresh)</b>			
<b>Disease Control</b>	<b>Rate fl. oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
Cherry Leaf Spot ( <i>Blumeriella jaapii</i> ) Powdery Mildew ( <i>Podosphaera</i> spp. and <i>Sphaerotheca pannosa</i> ) Rust ( <i>Tranzschelia discolor</i> ) Scab ( <i>Cladosporium carpophilum</i> )	1.9-3.8	Begin applications preventively. Apply at petal fall and continue on a 7- to 14-day interval.	User the higher rates and shorter intervals when disease pressure is severe.
Shot hole ( <i>Wilsonomyces carpophilus</i> )	2.9-3.8	Begin applications preventively and continue on a 7- to 14-day interval.	
<b>Disease Suppression</b>	<b>Rate fl. oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
Blossom Blight ( <i>Monilinia</i> spp.)	1.9-3.8	Begin applications at bud stage. If conditions are favorable for disease development, apply again at full bloom and at petal fall, or on a 14- to 21-day spray schedule.	Use the higher rates and shorter intervals when disease pressure is severe.
<b>Restrictions:</b> Do not apply more than 15.2 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 1 day of harvest. To limit the potential for development of disease resistance:			
<ul style="list-style-type: none"> <li>Do not make more than two (2) sequential applications of Gem 500 SC Fungicide. Then alternate to at least an equal number of sequential applications of labeled, effective non-QoI fungicides with a different mode of action.</li> <li>Do not apply more than four (4) applications of Gem 500 SC Fungicide or other QoI fungicides per season.</li> </ul>			

<b>SUGAR BEETS</b>			
<b>Disease Control</b>	<b>Rate fl oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
<b>Foliar Diseases:</b> Cercospora Leaf Spot ( <i>Cercospora beticola</i> ) Powdery Mildew ( <i>Erysiphe polygoni</i> )	2.9 to 3.6	Begin applications preventively and continue as needed on a 10- to 14-day spray schedule.  Alternate Gem 500 SC Fungicide after each application with a fungicide that has a different mode of action.	Use the higher rates and shorter intervals when disease pressure is severe.  May be applied via chemigation for control of powdery mildew.
<b>Soilborne Diseases: Disease Suppression</b> Rhizoctonia Stem Canker, Crown Rot ( <i>Rhizoctonia solani</i> )		Begin either foliar broadcast or banded applications at the 4-leaf to row closure growth stage. Apply as needed on a 10- to 14-day spray schedule.	
<b>Restrictions:</b> Do not apply more than 10 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 21 days of harvest. To limit the potential for development of disease resistance:			
<ul style="list-style-type: none"> <li>One application of a Group 11 fungicide may be made up to the 4-leaf stage of plant growth. An additional Group 11 fungicide application may be made after the 4th leaf stage, but it must be alternated with at least one application of a fungicide from a different group before any additional applications of a Group 11 fungicide are allowed.</li> <li>Do not make more than three (3) applications of Gem 500 SC Fungicide or other QoI fungicides per season.</li> </ul>			

<b>TREE NUTS: Beechnuts, Brazil Nuts, Butternuts, Cashew, Chestnuts, Chinquapins, Filberts, Hickory Nuts, Macadamia Nuts, Walnuts (See Specific Use Directions for Almonds, Pecans, and Pistachios)</b>			
<b>Disease Control</b>	<b>Rate fl oz/Acre</b>	<b>Application Timing</b>	<b>Notes</b>
Botryosphaeria Panicle and Shoot Blight ( <i>Botryosphaeria dothidea</i> )	1.9 to 3.8	Begin applications preventively and continue as needed on a 14- to 21-day spray schedule.	Use the higher rates and shorter intervals when disease pressure is severe.
Eastern Filbert Blight ( <i>Anisogramma anomala</i> )	1.9 to 3.8	Begin applications preventively and continue as needed on a 7- to 14-day interval.	
Alternaria Late Blight ( <i>Alternaria alternata</i> ) Anthracnose ( <i>Colletotrichum acutatum</i> , <i>Glomerella cingulata</i> ) Rust ( <i>Tranzschelia discolor</i> ) Scab ( <i>Cladosporium carpophilum</i> , <i>Cladosporium caryigenum</i> ) Shothole ( <i>Wilsonomyces carpophilus</i> )	2.9 to 3.8	Begin applications preventively and continue as needed on a 7- to 14-day spray schedule.	
<b>Restrictions:</b> Do not apply more than 15.2 fl. oz. of Gem 500 SC Fungicide per acre per season. Do not apply Gem 500 SC Fungicide within 60 days of harvest. To limit the potential for development of disease resistance:			
<ul style="list-style-type: none"> <li>Do not make more than two (2) sequential applications of Gem 500 SC Fungicide. Then alternate to at least an equal number of sequential applications of labeled, effective non-QoI fungicides with a different mode of action.</li> <li>Do not apply more than four (4) applications of Gem 500 SC Fungicide or other QoI fungicides per season.</li> </ul>			

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross-contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is 1-800-334-7577.

**Pesticide Disposal:** Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instruction, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**Container Handling:** Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Offer for recycling, if available. If not recycled, then puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

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**NET CONTENTS: 2.5 GALLONS**

**PRODUCED FOR**



**Bayer CropScience**

**Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
1-866-99BAYER (1-866-992-2937)**

Gem 500 SC Fungicide (PENDING) 05/22/2013